|  | Index of Claims |          |          |          |            |          |          |       |          |                |             |            |                        | Application/Control No. |          |           |                |           |           |             |             |          |           |      | Applicant(s)/Patent under<br>Reexamination |            |                 |             |          |              |         |           |         |              |             |
|--|-----------------|----------|----------|----------|------------|----------|----------|-------|----------|----------------|-------------|------------|------------------------|-------------------------|----------|-----------|----------------|-----------|-----------|-------------|-------------|----------|-----------|------|--|------------|-----------------|-------------|----------|--------------|---------|-----------|---------|--------------|-------------|
|  |                 |          |          |          |            |          |          |       |          |                |             |            | 10/817,221<br>Examiner |                         |          |           |                |           |           |             |             |          |           |      | MOSCHINI ET AL.                            |            |                 |             |          |              |         |           |         |              |             |
|  |                 |          |          |          |            |          |          |       |          |                |             |            | ٠                      |                         |          |           |                |           |           |             |             |          |           |      |  |            |                 |             |          |              |         |           |         |              |             |
|  |                 |          |          |          |            |          |          |       |          |                | •           |            |                        |                         |          | !         | Carl S. Miller |           |           |             |             |          |           |      |  |            |                 | 3747        |          |              |         |           |         |              | <del></del> |
|  |                 |          | <b>4</b> | R        | eje        | cte      | ed       |       |          | _              |             | (TI        | hrou<br>Ca             | gh n                    | un       | nera<br>I | al)            |           |           | N           | Non-Elected |          |           |      |  | A          | Appeal          |             |          |              |         |           |         |              |             |
|  | = Allowed       |          |          |          |            |          |          |       |          | +              |             | Restricted |                        |                         |          | <b>d</b>  |                |           |           | 1           | Interfer    |          |           | ence |  |            | 0               | Objected    |          |              |         | l<br>-    |         |              |             |
|  | Claim Date      |          |          |          |            |          |          | Claim |          |                |             |            |                        | D                       | ate      |           |                | _         |           |             |             | im       |           | Date |  |            |                 | _           | _        | _            | ]       |           |         |              |             |
|  | Final           | Original | 2/0/10   |          |            |          |          |       |          |                |             |            | Final                  | Original                |          |           |                |           |           |             |             |          | :         |      | Final                                      | Original   |                 |             |          |              |         |           |         |              |             |
|  | -               | 1)       | 7        |          | Щ          | <u> </u> | Н        | Н     |          |                | _           |            |                        | 51                      | Н        |           | $\dashv$       | +         | 4         | 4           | 4           | 4        | 4         | ŀ    | _  | 101        | Н               | -           | +        | +            | +       | +         | ┿       | ╀            | 4           |
|  |                 | 2        | Í        |          |            |          |          | H     |          |                | ╛           | ŀ          |                        | 52                      |          |           |                |           | 士         | 士           | 士           | 士        | $\exists$ | t    |  | 102        |                 | _           | 士        | $\pm$        | 土       | 1         | #       | 土            | 1           |
|  |                 | 3        | П        |          |            |          |          |       |          |                | $\Box$      |            |                        | 53                      |          |           | $\Box$         | $\dashv$  | $\dashv$  | $\exists$   | 4           | $\bot$   | _         | F    |  | 103        |                 | 4           | 7        | 1            | Ŧ       | Ŧ         | 4-      | $oxed{\bot}$ | ]           |
|  | $\vdash$        | 5        | H        | Н        | Н          | $\vdash$ | $\vdash$ | Н     | Н        | $\dashv$       | ᅱ           | ŀ          |                        | 54<br>55                | -        | -         | $\dashv$       | $\dashv$  | $\dashv$  | +           | +           | $\dashv$ | $\dashv$  | ŀ    | $\dashv$                                   | 104<br>105 | H               | ┥           | +        | +            | +       | 十         | ╁       | 十            | 1 .         |
|  |                 | 6        | ഥ        |          |            |          |          |       |          |                |             |            |                        | 56                      |          |           |                | $\Box$    | コ         | $\sqsupset$ | コ           | ゴ        | コ         | Į    |  | 106        |                 | $\sqsupset$ | 1        | 1            |         | 1         | 工       | 工            | 1           |
|  |                 | 7        | #        | П        | Ц          | Ĺ        | Ц        |       |          |                | _           | •          |                        | 57<br>58                | Н        |           | 4              | 4         | 4         | 4           | 4           | 4        | 4         | F    |  | 107<br>108 | H               | 4           | 4        | +            | +       | +         | 4       | ╀            | 4           |
|  | $\vdash$        | 8        | #        | Н        | Н          | ┢        | Н        | Н     | Н        | $\dashv$       | $\dashv$    |            |                        | 59                      | Н        | Н         | $\dashv$       | $\dashv$  | $\dashv$  | ┪           | $\dashv$    | $\dashv$ | $\dashv$  | H    |  | 109        | $\vdash \vdash$ | ┪           | +        | ╅            | +       | +         | +       | 十            | 1           |
|  |                 | 18       |          |          |            |          |          |       |          |                | $\sqsupset$ |            |                        | 60                      |          |           |                | $\Box$    | コ         | コ           | $\exists$   | コ        | $\exists$ | L    |  | 110        | 口               | ゴ           | 1        | 1            | #       | Ţ         | T       | 丰            | ]           |
|  |                 | 11       |          | Н        | Н          | H        | Н        | Н     | Н        | Н              | 4           |            |                        | 61<br>62                | Ľ        | Н         | Н              | 4         | +         | -           | +           | +        | $\dashv$  | ŀ    |  | 111<br>112 | $\vdash$        | 4           | +        | +            | +       | +         | +       | +            | -           |
|  | $\vdash$        | 13       | $\vdash$ | Н        | Н          | ┝╌       | Н        | Н     | H        | H              | ᅦ           |            |                        | 63                      | Н        | H         | $\dashv$       | +         | $\dashv$  | ┪           | +           | +        | $\dashv$  |      | _  | 113        | Н               | $\dashv$    | ╅        | +            | ╅       | +         | ╅       | †            | 1           |
|  |                 | 14       |          |          |            |          |          |       |          |                | コ           |            |                        | 64                      | $\Box$   | $\Box$    |                |           | コ         | 1           | 7           | 1        | コ         | Ī    |  | 114        |                 | $\Box$      | 7        | 7            | 7       | T         | $\perp$ | 工            | ]           |
|  | $\vdash$        | 15<br>16 | -        | Н        | Н          | $\vdash$ | Н        | Н     | Н        | Н              | $\dashv$    |            |                        | 65<br>66                | Н        | $\dashv$  |                | $\dashv$  | +         | $\dashv$    | $\dashv$    | +        | -         | ŀ    |  | 115<br>116 | H               | $\dashv$    | +        | +            | +       | +         | +       | +            | 1           |
|  |                 | 17       | $\vdash$ | Н        |            | -        | Н        | Н     | Н        |                |             |            |                        | 67                      |          | $\exists$ |                |           | $\exists$ | 1           | 1           | I        | ╛         | t    |  | 117        |                 |             | 士        | 士            | 1       | 1         | 土       | 土            |             |
|  |                 | 18       |          |          |            |          |          |       |          |                |             |            |                        | 68                      |          |           |                |           | $\dashv$  | $\Box$      | $\dashv$    | $\Box$   | ╗         | F    |  | 118        | П               | $\Box$      | 7        | 4            | $\perp$ | Ŧ         | Ţ       | $\perp$      | ]           |
|  | <u> </u>        | 19<br>20 | $\vdash$ | Н        | Н          | ┝        | Н        | -     | Н        |                | $\dashv$    |            |                        | 69<br>70                | Н        | Н         | -              | $\dashv$  | +         | ┥           | $\dashv$    | ┥        | ᅱ         | ŀ    | $\dashv$                                   | 119<br>120 | Н               | $\dashv$    | +        | +            | +       | ╁         | +       | ╫            | 1           |
|  |                 | 21       | H        |          | Н          | ┢        | Н        | H     | Н        | Н              | ᅱ           |            |                        | 71                      | Н        |           | Н              | ٦         | 十         | 7           | 1           | 1        | ╛         | t    |  | 121        | $\Box$          | $\exists$   | 士        | 1            | 1       | 1         | 士       | 土            |             |
|  |                 | 22       |          |          |            |          |          |       |          | П              | $\Box$      |            |                        | 72                      |          |           |                |           | $\Box$    | コ           | I           | $\Box$   | $\exists$ | F    |  | 122        |                 | $\Box$      | $\Box$   | $\downarrow$ | 4       | Ŧ         | Ţ       | I            | ]           |
|  | <u> </u>        | 23<br>24 | H        | Н        | Н          | ┞        | $\vdash$ | Н     | H        | Н              | $\dashv$    |            |                        | 73<br>74                | Н        | Н         | $\dashv$       | $\dashv$  | $\dashv$  | +           | $\dashv$    | +        | $\dashv$  | ŀ    |  | 123<br>124 | Н               | $\dashv$    | +        | ╬            | ╌       | ╫         | ╁       | ╀            | 4           |
|  |                 | 25       | T        | Н        | $\vdash$   | -        | H        | Н     | Н        | H              | $\exists$   |            |                        | 75                      |          | $\vdash$  |                | $\exists$ | $\exists$ | _           | _           | 士        | $\exists$ | ŀ    |  | 125        | 口               | Ⅎ           | 士        | $\pm$        | 士       | 土         | 土       | 土            | 1           |
|  |                 | 26       |          |          |            |          |          | П     |          |                |             |            |                        | 76                      |          |           |                |           | $\Box$    | コ           | $\exists$   | 7        | $\exists$ | . [  |  | 126        | П               | $\Box$      | 7        | 1            | Ţ       | 7         | Ŧ       | F            | 4           |
|  | <b>-</b>        | 27<br>28 | ┞        | H        | $\vdash$   | $\vdash$ | $\vdash$ | Н     | Ш        | $\vdash\vdash$ | $\dashv$    |            |                        | 77<br>78                |          | Н         | $\dashv$       | 4         | +         |             | +           | $\dashv$ | $\dashv$  | -    |  | 127<br>128 | $\vdash$        | $\dashv$    | +        | +            | +       | +         | ╫       | +            | 4           |
|  |                 | 29       | $\vdash$ |          | Н          | H        | Н        | H     | $\vdash$ | H              | $\dashv$    |            |                        | 79                      |          | Н         | $\vdash$       | $\dashv$  | $\dashv$  | ᅦ           | +           | $\dashv$ | $\dashv$  | ŀ    | $\overline{}$                              | 129        | Н               |             | _        | _            | 士       | 士         | 1       | 士            | 1           |
|  |                 | 30       |          |          |            |          |          |       |          |                |             |            |                        | 80                      |          |           |                |           |           | コ           | コ           |          | $\Box$    | Į    |  | 130        | П               | $\Box$      | $\Box$   | ightharpoons | $\Box$  | 7         | I       | 丰            | ]           |
|  |                 | 31       | F        |          | lacksquare | 匚        |          | Ц     | H        | Н              | $\exists$   |            |                        | 81                      | Щ        |           | $\dashv$       | $\dashv$  | $\dashv$  | 4           | 4           | 4        | 4         | ŀ    | $\dashv$                                   | 131        | Н               | $\dashv$    | +        | +            | +       | +         | +       | ╀            | 4           |
|  | -               | 32<br>33 | $\vdash$ | $\vdash$ | $\vdash$   | $\vdash$ | Н        | Н     |          | Н              | $\dashv$    |            |                        | 82<br>83                | Н        | Н         | $\dashv$       | $\dashv$  | $\dashv$  | ᅱ           | $\dashv$    | $\dashv$ | $\dashv$  | ŀ    | $\dashv$                                   | 132        | Н               | $\dashv$    | 十        | +            | +       | 十         | 十       | +            | 1           |
|  |                 | 34       |          |          |            |          |          |       |          |                |             | i          |                        | 8                       |          |           |                |           |           | ╛           |             | 士        |           | Ė    |  | 134        |                 |             | 1        |              |         |           | 上       | 工            | 1           |
|  |                 | 35       | $\Box$   |          |            |          |          |       |          |                |             |            |                        | 85                      |          |           |                | $\Box$    | $\Box$    | $\Box$      | $\dashv$    | $\beth$  | $\Box$    | -    |  | 135        | Ш               | $\dashv$    | 4        | 4            | - -     | 4         | 4       | ╀-           |             |
|  |                 | 36<br>37 | $\vdash$ | L        | H          | L        | _        | Н     | _        | $\vdash$       | $\dashv$    |            |                        | 86<br>87                | H        | Н         | $\dashv$       | $\dashv$  | -         | $\dashv$    | $\dashv$    | $\dashv$ | 4         | ŀ    | $\dashv$                                   | 138<br>137 | ╌               | $\dashv$    | +        | ╅            | +       | +         | ╬       | ╁            | -{          |
|  | <b>-</b>        | 38       | ┢        | H        | $\vdash$   | ┢        | Н        | Н     | $\vdash$ | Н              | $\dashv$    |            |                        | 88                      | $\vdash$ | Н         | $\dashv$       |           | ┪         | ┪           | $\dashv$    | ┪        | $\dashv$  | ł    |  | 138        | Н               | $\dashv$    | 十        | +            | ╅       | $\dagger$ | 十       | 十            | 1 .         |
|  |                 | 39       |          |          |            |          |          |       |          |                |             |            |                        | 89                      |          |           |                |           |           | $\sqsupset$ | $\Box$      | $\Box$   | コ         | Ţ    |  | 139        | $\Box$          | $\Box$      | 4        | $\Box$       | 7       | Ţ         | $\perp$ | 工            | ]           |
|  |                 | 40       | F        |          | $\vdash$   | L        | $\Box$   | H     | $\sqcup$ | Щ              | 4           |            |                        | 8 3                     | $\sqcup$ | Ц         |                | 4         | 4         | 4           | 4           | 4        | 4         | -    |  | 140        | ╂╌┤             | $\dashv$    | +        | +            | +       | +         | +       | +            | 4           |
|  | $\vdash$        | 41       | $\vdash$ | -        | Н          | $\vdash$ | $\vdash$ | Н     | $\vdash$ | Н              | $\dashv$    |            | -                      | 91                      | $\vdash$ | Н         | Н              | $\dashv$  | $\dashv$  | -           | $\dashv$    | +        | $\dashv$  | H    | $\dashv$                                   | 142        | Н               | -           | +        | +            | +       | +         | +       | +            | 1           |
|  |                 | 43       |          |          |            |          |          |       |          | Ħ              | ╛           |            |                        | 93                      |          | $\Box$    |                |           |           |             | $\exists$   |          | ╛         | t    |  | 143        | П               |             |          | $\perp$      | 士       | 土         | 工       | 工            | 1           |
|  |                 | 44       |          |          |            | 匚        |          |       |          | П              | $\Box$      |            |                        | 94                      |          |           |                | $\Box$    | $\Box$    | $\exists$   | Į           | $\dashv$ | 4         | F    | $\Box$                                     | 144        | $\Box$          | $\Box$      | 4        | $\bot$       | 4       | 1         |         | +            | ┦ '         |
|  | $\vdash$        | 45<br>45 | ╀        | $\vdash$ | Н          | $\vdash$ | -        | Н     | $\vdash$ | Н              | $\dashv$    |            |                        | 95<br>96                | $\vdash$ | Н         | Н              | $\dashv$  | $\dashv$  | -           | +           | +        | $\dashv$  | ŀ    | $\dashv$                                   | 145<br>146 | $\vdash$        | $\dashv$    | $\dashv$ | +            | +       | +         | +       | +            | ┪           |
|  |                 | 1 40     | -        |          | ш          |          | $\vdash$ | -     | _        | ш              | _           |            |                        | 1.30                    | _        | ш         | _              | _         | -4        |             | -+          | -        | _         | -    |  |            | 4               | -           | -        | -+           | -       | -         | -       | +-           | -1          |